App. No. 10/848,756
Office Action Dated September 27, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Claims 1, 2, 4, 6, and 12 are amended.

Claim 24 is new.

Listing of Claims:

1. (Currently Amended) An optical information recording medium comprising a plurality of ~~substrate and at least two~~ information layers ~~formed on the substrate, the information layer formed of a thin film that shows a change that can be detected optically by light beam irradiation~~ from which information signals can be reproduced by one-sided irradiation of light beams,

wherein at least the information layers except for the most distant information layer from an incident side of the light beams are semi-transmissive to the light beams,

a separating layer that is transparent to a wavelength of the light beams is formed between the information layers,

each information layer has a sector structure including a sector address and a data area that are divided in a circumferential direction,

each information layer has the same number of sector addresses in the circumferential direction, and

positions of the sector addresses of the respective information layers coincide in both the ~~whole~~ circumferential direction and a radial direction.

2. (Currently Amended) The optical information recording medium according to claim 1, wherein

the plurality of information layers comprise ~~further comprising a second substrate having a sector structure including a sector address and a data area that are divided in a circumferential direction,~~ a first information layer that is formed on the first substrate and transmits part of the light beams and a second information layer that ~~opposed to the first information layer~~ is formed

on the second substrate, ~~and~~

a ~~position of the~~ sector ~~address of the first substrate and a position of the sector address of the second substrate coincide in the circumferential direction~~ position identifier is provided in each of the first and second information layers, and

the first information layer and the second information layer are bonded together with the transparent separating layer so that the sector position identifiers of the two information layers have a certain relationship.

3. (Canceled)

4. (Currently Amended) ~~The~~ An optical information recording medium ~~according to claim 1~~ comprising a plurality of information layers from which information signals can be reproduced by one-sided irradiation of light beams,

wherein at least the information layers except for the most distant information layer from an incident side of the light beams are semi-transmissive to the light beams,

a separating layer that is transparent to a wavelength of the light beams is formed between the information layers,

each information layer has a sector structure including a ~~further comprises a management area, and a sector position identifier for identifying the position of a sector is located in an area other than the data area, the~~ sector address and a data area that are divided, ~~and the management area of each information layer so as to have a certain relationship to the sector address of each information layer~~ in a circumferential direction,

a sector position identifier is located at a radial position other than the data area and the sector address in each information layer to identify the position of each information layer in the circumferential direction, and

positions of the sector addresses of the respective information layers coincide in the circumferential direction.

5. (Canceled)

6. (Currently Amended) The optical information recording medium according to claim ~~2~~ 4,

wherein ~~each of the first and the second substrate further comprises a management area, and a sector position identifier for identifying the position of a sector is located in an area other than the data area, the sector address, and the management area of each of the first and the second substrate so as to have a certain relationship to the sector address of each of the substrates in a circumferential direction~~ the plurality of information layers comprise a first information layer that is formed on a first substrate and transmits part of the light beams and a second information layer that is formed on a second substrate,

the first information layer and the second information layer are bonded together with the transparent separating layer so that the sector position identifiers of the two information layers have a certain relationship.

7-11. (Canceled)

12. (Currently amended) An optical information recording medium comprising a plurality of ~~a substrate and at least two~~ information layers on/from which information signals can be recorded/reproduced by one-sided ~~formed on the substrate, the information layer formed of a thin film that shows a change that can be detected optically by light beam~~ irradiation of light beams,

wherein a separating layer that is transparent to a wavelength of the light beams is formed between the information layers,

each information layer ~~is provided with~~ has ~~a data area on~~ spiral continuous guide grooves and a sector address comprising a recording mark formed by irradiation of light beams,

~~each information layer has the same number of sector addresses in a circumferential direction,~~ and

positions of the sector addresses of the respective information layers coincide in ~~a~~ the ~~whole~~ circumferential direction.

13-23. (Canceled)

24. (New) The optical information recording medium according to claim 4, wherein the positions of the sector addresses of the respective information layers coincide in a radial direction.